

ABSTRACT OF THE DISCLOSURE

In a cellular system, each mobile station concurrently linked to
5 plural link base stations in soft handover state and receiving packet from
the packet-transmitting base station controls a transmission power of an
up-link dedicated physical channel based on a first transmission power
control information included in down-link dedicated physical channels of
the link base stations. In other state, the mobile station controls the
10 transmission power based on a second transmission power control
information included in a down-link dedicated physical channel of the
packet-transmitting base station. This accelerates the power increase up to a
target power level causing that the measured signal-to-interference-ratio at
the packet-transmitting base station reaches a target
15 signal-to-interference-ratio, thereby improving receiving quality of control
signal from the mobile station at the packet-transmitting base station.